

Amendments to the Specification

Please replace the paragraph beginning at page 8, line 20 with the following amended paragraph:

[0028] The mask 110 may be placed upside down in a mask holder 405, with the patterned side facing the bottom of the carrier. One sensor may be placed directly below the patterned area to monitor contamination levels there. There may be additional sensors placed on the sidewalls of the carrier. Sticky polymers or other appropriate materials may be put on the surface of these QCM foils to capture the particles. However, care needs to be taken to ensure that these materials do not outgas or generate particles.

Please replace the paragraph beginning at page 9, line 16 with the following amended paragraph:

[0032] In an embodiment, a non-stick funnel 500 may be placed under the mask 110 to concentrate funnel the particles onto the QCM foil, as shown in Figure 5. For particle monitoring, a funnel with a 100:1 contraction ratio would allow a 100x smaller area, and thus would make Δf 100x more sensitive. Thus 1 Hz would correspond to about 0.01 ng, or a single SiO₂ particle of about 2 microns in radius. Particles may also stick to the funnel, which may be replaced periodically.